

Claims

1. Process for closing a container by means of a closure which comprises a closure cap and a sealing device, characterized by the following steps:
 - following the filling operation, a sealing cap (7) of the sealing device is fitted onto the container (2),
 - the container (2) is cleaned at least in the mouth region,
 - the closure cap (37) is fitted onto the container.
2. Process according to Claim 1, characterized in that the cleaning operation involves spraying of the mouth region (1) of the container with a cleaning liquid (35) and/or brushing the mouth region (1) and/or wiping off the mouth region (1) and, as appropriate, drying the mouth region (1) using a drying gas.
3. Process according to one of the preceding claims, characterized in that the closure cap consists of metal and the process comprises fitting the sealing cap (7) onto the mouth region (1), cleaning the mouth region (1), fitting the closure cap (37) onto the mouth region (1) and shaping the closure cap (37).
4. Process according to Claim 1 or 2, characterized in that the closure cap (37) consists of plastic and the process comprises fitting the sealing cap (7) onto the mouth region (1), cleaning the mouth region (1), fitting the closure cap (37) onto the mouth region (1) and screwing the closure cap (37) onto the mouth region (1).
5. Process according to one of the preceding claims, characterized in that the sealing cap (7) is fitted by means of a first fitting tool.
6. Process according to one of the preceding claims, characterized in that the mouth region (1) is cleaned by means of a cleaning tool (33), preferably a flushing nozzle (31) and/or a - preferably automatic - brush and/or a wiping means.

7. Process according to one of the preceding claims, characterized in that the mouth region (1) is dried by means of a drying tool, preferably a blowing nozzle, and/or by means of a drying agent.
- 5 8. Process according to one of the preceding claims, characterized in that the closure cap (37) is fitted by means of a - preferably second - fitting tool.
9. Process according to one of the preceding
10 claims, characterized in that the closure cap (37) is shaped by means of a shaping tool, preferably a screwing-on tool, a deep-drawing tool, in particular a plunger, and/or at least one pressure-exerting roll.
10. Process according to one of the preceding
15 claims, characterized in that the closure cap is designed as a screw cap, and in that the screw cap (37) is screwed on by means of a screwing tool.
11. Closure for a container, having a closure cap and having a sealing device for closing a container, in
20 particular by a process according to one of the preceding claims, characterized in that the sealing device comprises a sealing cap (7), and in that the sealing cap (7) has at least one retaining means (25) interacting with the container (2).
- 25 12. Closure according to Claim 11, characterized in that the retaining means (25) is designed as a press fit and/or as a web (23) which runs all the way round the sealing cap (7) and interacts with the inside or with the outside (27) of the mouth region (1).
- 30 13. Closure according to Claim 11 or 12, characterized in that the closure cap is designed as a crown cap, rotary crown cap or as a closure cap.
14. Screw closure according to one of the preceding claims, characterized in that the closure cap (37) has
35 a latching means (47) which is designed as a protrusion (45) running round at least in certain areas and which can retain the sealing cap (7).
15. Closure according to one of the preceding claims, characterized in that the sealing cap (7) has a

bottom (11), an encircling wall (13) which extends from the bottom (11), a flange (15) which adjoins the wall (13) and is provided with a bent-down border (17), and preferably an annular wall which extends from the flange (15).

16. Closure according to one of the preceding claims, characterized in that the bottom (11) has a first base surface (19) and a second base surface (21), which preferably extends from the first base surface in an angled manner.

17. Closure according to one of the preceding claims, characterized in that divided on that side of the bottom (11) which is directed away from the interior of the container (2) are webs (30b) which preferably run along imaginary radius lines and of which the height is preferably selected such that they extend, in particular, over the height of the encircling wall (13).

18. Closure according to one of the preceding claims, characterized in that the metal is aluminium.

19. Closure according to one of the preceding claims, characterized in that the sealing cap (7) consists of plastic.

20. Closure according to one of the preceding claims, characterized in that the sealing cap (7) consists of metal, preferably aluminium, coated with a sealing compound.

21. Closure according to one of the preceding claims, characterized in that the sealing cap (7) consists of two or more bonded materials.